

1. (cancelled)
2. (previously amended) An addressable lighting device and control system according to claim 38, wherein said remote control means transmits a single channel signal to switch said addressable lighting device into programming mode.
3. (previously amended) An addressable lighting device and control system according to claim 38, further comprising means to activate said means for switching said addressable lighting device into said programming mode.
4. (previously amended) An addressable lighting device and control system according to claim 3, wherein said means to activate said means for switching said addressable lighting device into said programming mode is a non-mechanical device.
5. (previously amended) An addressable lighting device and control system according to claim 38, wherein said detecting means is an infrared sensor or a radio frequency antenna.
6. (previously amended) An addressable lighting device and control system according to claim 38, wherein said means for switching is a non mechanical switch.
7. (previously amended) An addressable lighting device and control system according to claim 2, wherein said means for switching is a non-mechanical switch.
8. (previously amended) An addressable lighting device and control system according to claim 3, wherein said means for switching is a non-mechanical switch.
9. (previously amended) An addressable lighting device and control system according to claim 38, wherein said addressable lighting device further includes a visual display means to indicate the status of said addressable lighting device.
10. (original) An addressable lighting device and control system according to claim 9, wherein said visual display means is a light emitting diode display.
11. (previously amended) An addressable lighting device and control system according to claim 38, wherein said remote control means transmits said channel signal as an infrared or radio frequency signal.
12. (previously amended) An addressable lighting device and control system according to claim 38, wherein said remote control means includes a microprocessor to generate said single channel signals.

13. (previously amended) An addressable lighting device and control system according to claim 38, wherein said remote control means includes a plurality of switches to set parameters of said single channel signal transmitted to said addressable lighting device.
14. (previously amended) An addressable lighting device and control system according to claim 12, wherein said remote control means includes a plurality of switches to set parameters of said single channel signal transmitted to said addressable lighting device.
15. (previously amended) An addressable lighting device and control system according to claim 38, wherein said remote control means includes a keypad to set parameters of said single channel signal transmitted to said addressable lighting device.
16. (previously amended) An addressable lighting device and control system according to claim 12, wherein said remote control means includes a keypad to set parameters of said single channel signal transmitted to said addressable lighting device.
17. (previously amended) An addressable lighting device and control system according to claim 38, wherein said addressable lighting device further includes a decoder to transform an incoming signal into a digital signal.
18. (cancelled)
19. (cancelled)
20. (cancelled)
21. (cancelled)
22. (cancelled)
23. (cancelled)
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30. (cancelled)
31. (cancelled)

32. (cancelled)

33. (cancelled)

34. (cancelled)

35. (cancelled)

36. (cancelled)

37. (cancelled)

38. (previously presented) An addressable lighting device and control system comprising:

a remote control;

at least one addressable lighting device with an electronic address and having a detecting means for detecting signals from said remote control, and a means for switching said addressable lighting device into a programming mode;

a microcontroller; and

a lighting means controlled by said addressable lighting device;

wherein the improvement comprises: said remote control transmitting said signal as a single channel signal wherein said single channel signal is a serially transmitted data protocol, and further comprising:

A. a means for synchronizing said lighting devices to signal a beginning of transmission of said serially transmitted data protocol; and

B. a means for generating said serially transmitted data protocol with an address field wherein a first byte of the address field being different than zero, and with an intensity level field corresponding to an intensity of a specific address defined by said address field.

39. (previously presented) The addressable lighting device and control system of claim 38, wherein said value in said address field corresponds to a value in a lookup table, said lookup table being contained in a memory in said addressable lighting device and said microcontroller resolves if the value in said address field of said signal pertains to said electronic address of said addressable lighting device and if said address field corresponds to said electronic address then said controllable lighting means is activated in accordance with instructions in said incoming signal.

40. (cancelled).